

What is claimed is:

1 1. A target designation system designating a target for
2 destruction comprising:

3 a first power source for providing a first electrical
4 power signal;

5 a manual switch connected to said first power source, said
6 manual switch being turned on by a user of said target
7 designation system;

8 a receiver connected to said manual switch, said receiver
9 being activated by the first power signal from said
10 first power source when said manual switch is turned
11 on, said receiver when activated being adapted to
12 receive an encoded RF signal at a preset frequency,
13 said receiver providing an electrical equivalent
14 encoded signal of said encoded RF signal whenever said
15 receiver receives said encoded RF signal at said preset
16 frequency;

17 a decoder circuit having a memory, said memory having
18 activation and deactivation data stored therein, said
19 decoder circuit being connected to said receiver to
20 receive and then decode said electrical equivalent

21 encoded signal provided by said receiver, said decoder
22 circuit providing a switch activation signal whenever
23 decoded data contained in said electrical equivalent
24 encoded signal is equivalent to said activation data
25 stored in said memory, said decoder circuit providing a
26 switch deactivation signal whenever said decoded data
27 contained in said electrical equivalent encoded signal
28 is equivalent to said deactivation data stored in said
29 memory;
30 a second power source for providing a second electrical
31 power signal;
32 an auto switch connected to said second power source and
33 said decoder circuit, said auto switch being turned on
34 by said switch activation signal, and said auto switch
35 being turned off by said switch deactivation signal;
36 a transmitter connected to said auto switch, said
37 transmitter being activated by the second power signal
38 from said second power source when said auto switch is
39 turned on by said switch activation signal;
40 said transmitter transmitting a laser homing signal to
41 said target, said laser homing signal being reflected

42 from said target to a remotely guided weapons system
43 allowing said remotely guided weapons system to track
44 and locate said target designation system and destroy
45 said target;
46 a push-to-test switch connected to said first power source
47 and said transmitter, said push-to-test switch when
48 depressed by said user providing said first electrical
49 power signal to said transmitter activating said
50 transmitter allowing for an alignment by said user of
51 said laser homing signal with said target, said push-
52 to-test switch being released by said user when said
53 laser homing signal is aligned with said target.

1 2. The target designation system of claim 1 wherein said first
2 power source and said second power source each comprise a
3 direct current voltage battery.

1 3. The target designation system of claim 1 wherein said
2 decoder circuit is connected to said first power source, said
3 decoder circuit being activated when said user turns on said
4 manual switch.

1 4. The target designation system of claim 1 wherein said
2 switch deactivation signal provided by said auto switch
3 deactivates said transmitter, wherein said transmitter stops
4 transmitting said laser homing signal when said transmitter is
5 deactivated.

1 5. The target designation system of claim 1 further comprising:
2 an auto-destruct delay circuit connected to said auto
3 switch, said auto-destruct delay circuit being
4 activated by said second power signal when said auto-
5 switch is turned on, said auto-destruct delay circuit
6 generating a destruct signal after a preset auto-
7 destruct delay time period; and
8 an anti-comprise device connected to said auto-destruct
9 delay circuit to receive said destruct signal, said
10 anti-comprise device, responsive to said destruct
11 signal, destroying said target designation system.

1 6. The target designation system of claim 5 further comprising
2 a low voltage switch connected between said first power source

3 and said anti-compromise device.

1 7. The target designation system of claim 1 further comprising:

2 a power on delay circuit connected to said manual switch,
3 said power on delay circuit receiving the first power
4 signal from said first power source when said manual
5 switch is turned on;

6 a motion sensor connected to said power on delay circuit
7 to receive the first power signal from said power on
8 delay circuit after a preset power on delay time, said
9 motion sensor being activated by the first power
10 signal, said motion sensor when activated generating a
11 destruct signal upon sensing motion of said target
12 designation system; and

13 an anti-comprise device connected to said motion sensor
14 to receive said destruct signal, said anti-comprise
15 device, responsive to said destruct signal, destroying
16 said target designation system.

1 8. The target designation system of claim 7 further comprising
2 a low voltage switch connected between said first power source

3 and said anti-compromise device.

1 9. The target designation system of claim 1 wherein said
2 transmitter includes a window which emits said laser homing
3 signal.

1 10. A target designation system comprising:

2 a first power source for providing a first electrical
3 power signal;

4 a manual switch connected to said first power source, said
5 manual switch being turned on by a user of said target
6 designation system;

7 a receiver connected to said manual switch, said receiver
8 being activated by the first power signal from said
9 first power source when said manual switch is turned
10 on, said receiver when activated being adapted to
11 receive an encoded RF signal at a preset frequency,
12 said receiver providing an electrical equivalent
13 encoded signal of said encoded RF signal whenever said
14 receiver receives said encoded RF signal at said preset
15 frequency;

16 a decoder circuit having a memory, said memory having
17 activation and deactivation data stored therein, said
18 decoder circuit being connected to said receiver to
19 receive and then decode said electrical equivalent
20 encoded signal provided by said receiver, said decoder
21 circuit providing a switch activation signal whenever
22 decoded data contained in said electrical equivalent
23 encoded signal is equivalent to said activation data
24 stored in said memory, said decoder circuit providing a
25 switch deactivation signal whenever said decoded data
26 contained in said electrical equivalent encoded signal
27 is equivalent to said deactivation data stored in said
28 memory;
29 a second power source for providing a second electrical
30 power signal;
31 an auto switch connected to said second power source and
32 said decoder circuit, said auto switch being turned on
33 by said switch activation signal, and said auto switch
34 being turned off by said switch deactivation signal;
35 a transmitter connected to said auto switch, said
36 transmitter being activated by the second power signal

37 from said second power source when said auto switch is
38 turned on by said switch activation signal;
39 said transmitter transmitting a laser homing signal to
40 said target, said laser homing signal being reflected
41 from said target to a remotely guided weapons system
42 allowing said remotely guided weapons system to track
43 and locate said target designation system and destroy
44 said target;
45 a push-to-test switch connected to said first power source
46 and said transmitter, said push-to-test switch when
47 depressed by said user providing said first electrical
48 power signal to said transmitter activating said
49 transmitter allowing for an alignment by said user of
50 said laser homing signal with said target, said push-
51 to-test switch being released by said user when said
52 laser homing signal is aligned with said target
53 an auto-destruct delay circuit connected to said auto
54 switch, said auto-destruct delay circuit being
55 activated by said second power signal when said auto-
56 switch is turned on, said auto-destruct delay circuit
57 generating a first destruct signal after a preset auto-

58 destruct delay time period;
59 a power on delay circuit connected to said manual switch,
60 said power on delay circuit receiving the first power
61 signal from said first power source when said manual
62 switch is turned on;
63 a motion sensor connected to said power on delay circuit
64 to receive the first power signal from said power on
65 delay circuit after a preset power on delay time, said
66 motion sensor being activated by the first power
67 signal, said motion sensor when activated generating a
68 second destruct signal upon sensing motion of said
69 target designation system;
70 an anti-comprise device connected to said auto-destruct
71 delay circuit and said motion sensor to receive said
72 first destruct signal and said second destruct signal,
73 said anti-comprise device, responsive to each of said
74 first and said second destruct signals, destroying said

75 target designation system.

1 11. The target designation system of claim 10 wherein said
2 first power source and said second power source each comprise a
3 direct current voltage battery.

1 12. The target designation system of claim 10 wherein said
2 decoder circuit is connected to said first power source, said
3 decoder circuit being activated when said user turns on said
4 manual switch.

1 13. The target designation system of claim 10 wherein said
2 switch deactivation signal provided by said auto switch
3 deactivates said transmitter, wherein said transmitter stops
4 transmitting said laser homing signal when said transmitter is
5 deactivated.

1 14. The target designation system of claim 10 further
2 comprising a low voltage switch connected between said first
3 power source and said anti-compromise device, said low voltage
4 switch providing a third destruct signal to said anti-

5 compromise device when said first power source drops below a
6 preset voltage level, said anti-comprise device, responsive to
7 each of said third destruct signals, destroying said target
8 designation system.

1 15. The target designation system of claim 10 wherein said
2 transmitter includes a window which emits said laser homing
3 signal.

1 16. A method for destroying a target by remotely guided
2 ordnance comprising the steps of:

3 (a) positioning a target designation system in proximity
4 to said target to be destroyed;

5 (b) aligning said target designation system with said
6 target by depressing a push-to-test switch which activates a
7 transmitter included in said target designation system;

8 (c) transmitting a laser homing signal from said
9 transmitter to said target when said push-to-test switch is
10 depressed to insure alignment of said target designation system
11 with said target;

12 (d) activating said target designation system by turning

13 on a manual switch included in said target designation system;

14 (e) receiving an encoded RF signal at a preset frequency
15 after said target designation system is activated, said target
16 designation system including a receiver which is set at said
17 preset frequency to receive said encoded RF signal;

18 (f) decoding said encoded RF signal to provide an
19 activation signal and a deactivation signal, said target
20 designation system including a decoder circuit which decodes
21 said encoded RF signal to provide said activation signal and
22 said deactivation signal;

23 (g) transmitting said laser homing signal from said target
24 to said remotely guided ordinance allowing said remotely guided
25 ordinance to track and then destroy said target, said target
26 designation system including said transmitter for transmitting
27 said laser homing signal to said target wherein said laser
28 homing signal is reflected from said target to said remotely
29 guided ordinance, said transmitter starting transmission of
30 said laser homing signal in response to said activation signal
31 and ceasing transmission of said laser homing signal in
32 response to said deactivation signal; and

33 (h) destroying said target designation system after a

34 preset auto-destruct delay time period, said preset auto-
35 destruct delay time period being initiated by said activation
36 signal from said decoder circuit, said target designation
37 system including an auto destruct delay circuit which generates
38 a destruct signal after said preset auto-destruct delay time
39 period expires and an anti-compromise device which receives
40 said destruct signal and destroys said target designation
41 system, responsive to said destruct signal from said auto
42 destruct delay circuit.

1 17. The method of claim 16 further comprising the step of
2 destroying said target designation system whenever a motion
3 sensor within said target designation system detects movement
4 of said target designation system, said motion sensor providing
5 another destruct signal to said anti-compromise which then
6 destroys said target designation system.

1 18. The method of claim 16 wherein said preset auto-destruct
2 delay time period expires after approximately ten minutes.

1 19. The method of claim 16 wherein said transmitter includes a
2 window which emits said laser homing signal.

1 20. The target designation system of claim 1 wherein said
2 switch deactivation signal provided by an auto switch included
3 within said target designation system deactivates said
4 transmitter, wherein said transmitter stops transmitting said
5 laser homing signal when said transmitter is deactivated.